









Figure 5

	Description of Process and other Variables used for Calibration	Batch 1	Batch 2
1	Measured Density of the Emulsion	$\rho_{e1}$	$\rho_{e2}$
2	Measured Capacitance of the Emulsion	$MpFe1$	$MpFe2$
3	Actual Water Content of the Emulsion	$Wfe1$	$Wfe2$
4	Indicated Water Content of the Emulsion before Calibration	$Wfi1$	$Wfi2$
5	Measured Temperature of the Emulsion	$T1$	$T2$
6	Initial Value of the Probe Correction Factor	$PCF_i$	$PCF_1$
7	Initial value of the Capacitance Correction Term	$CCT_i$	$CCT_1$
8	Calculated Value of Refractive Index to obtain $Wfe1$ , $Wfe2$	$\eta_{e1}$	$\eta_{e2}$

Figure 6

